

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512



October 29, 2002

Dear Appliance Manufacturers and Trade Associations:

The first purpose of this letter is to inform you that on October 28, 2002, the California Office of Administrative Law approved the amendments to the Appliance Efficiency Regulations that were adopted by the Energy Commission on February 6, 2002. The effective date of the regulations will be November 27, 2002.

The second purpose is to summarize the provisions of the amendments.

The third purpose is to establish the dates by which manufacturers of various appliances will have to begin complying with the new information-submittal requirements in the amended regulations.

1. Scope of the Amended Regulations

The amended regulations include various combinations of testing, reporting, marking, and efficiency requirements for the following appliance types, as listed in Section 1601:

- (a) *“Refrigerators, refrigerator-freezers, and freezers that can be operated by alternating current electricity, including but not limited to refrigerating bottled or canned beverage vending machines, but excluding the following types:*
 - (1) *consumer products with total refrigerated volume exceeding 39 ft³;*
 - (2) *commercial refrigerators, commercial refrigerator-freezers, and commercial freezers with total refrigerated volume exceeding 85 ft³;*
 - (3) *refrigerators, refrigerator-freezers, and freezers designed to be used without doors (other than those intended for the display of canned or bottled beverages);*
 - (4) *remote refrigerators, remote refrigerator-freezers, and remote freezers; and*
 - (5) *blast chillers.*
- (b) *Room air conditioners, room air-conditioning heat pumps, packaged terminal air conditioners, and packaged terminal heat pumps.*
- (c) *Central air conditioners, which are electrically-powered unitary air conditioners and electrically-powered unitary heat pumps, except those designed to operate without a fan; and gas-fired air conditioners and gas-fired heat pumps.*
- (d) *Spot air conditioners.*

- (e) *Vented gas space heaters and vented oil space heaters, vented and unvented infrared gas heaters, and gas-fired combination space-heating and water-heating appliances.*
- (f) *Water heaters, including but not limited to hot water supply boilers.*
- (g) *Gas pool heaters, oil pool heaters, electric resistance pool heaters, and heat pump pool heaters.*
- (h) *Plumbing fittings, which are showerheads, lavatory faucets, kitchen faucets, metering faucets, replacement aerators, wash fountains, and tub spout diverters.*
- (i) *Plumbing fixtures, which are water closets and urinals.*
- (j) *Fluorescent lamp ballasts that are designed to (1) operate at nominal input voltages of 120 or 277 volts, (2) operate with an input current frequency of 60 Hertz, and (3) be used with T5, T8, or T12 lamps.*
- (k) *Lamps, which are general service fluorescent lamps and incandescent reflector lamps.*
- (l) *Emergency lighting, which is illuminated exit signs.*
- (m) *Traffic signal modules and traffic signal lamps.*
- (n) *Luminaires, which are torchieres.*
- (o) *Dishwashers that are federally-regulated consumer products.*
- (p) *Clothes washers that are federally-regulated consumer products; and commercial clothes washers.*
- (q) *Clothes dryers that are federally-regulated consumer products.*
- (r) *Cooking products that are federally-regulated consumer products; and food service equipment.*
- (s) *Electric motors, excluding definite purpose motors, special purpose motors, and motors exempted by the U.S. Department of Energy under 42 U.S.C. Section 6313(b).*
- (t) *Low voltage dry-type distribution transformers that are designed to operate at a frequency of 60 Hertz, and that have a rated power output of not less than 15 kVa."*

2. Testing Provisions

Section 1603 requires manufacturers to cause the testing of units of each basic model of the appliance types listed above. Testing must be either as part of an approved industry certification program, or by a laboratory that the Executive Director of the Commission has determined meets five criteria listed in Section 1603. Section 1603 lists 16 approved industry certification programs. A letter detailing these

specific requirements, with an application for the laboratories to apply for approval for their laboratory, was sent out on August 16, 2002.

Section 1604 identifies the test methods that must be used by the approved industry certification program or approved laboratory.

The provisions of Section 1603 and 1604 apply to appliances for which the manufacturer submits certification documents on or after November 27, 2002.

3. Performance Requirements

Performance provisions are listed in Sections 1605.1, 1605.2, and 1605.3. The minimum performance provisions in Section 1605.2 for central air conditioners and heat pumps do not take effect until the US Department of Energy grants a waiver from federal preemption. Some of the minimum performance provisions in Sections 1605.1 and 1605.3 identify the specific effective dates based on the date of manufacture of the units in question. The minimum performance provisions for those appliance types for which no calendar date is shown in the text are already in effect either as California or as federal standards.

4. Marking Provisions

Section 1607 contains five sets of marking provisions. The marking provisions for federally regulated consumer products are already in effect as federal regulations. The marking provisions for federally regulated commercial and industrial equipment apply to units manufactured on or after November 27, 2002. The marking provisions for distribution transformers, illuminated exit signs and luminaires, apply to units that are manufactured on or after November 27, 2002 (however, energy efficiency standards for distribution transformers, illuminated exit signs, and luminaires do not take effect until March 1, 2003).

5. Reporting Provisions

Section 1606 requires manufacturers to report performance information for the models that they produce, and the Commission is required to publish the information in its database. Due to the number of changes and additions in the amended regulations, the Commission staff has had to develop new certification forms and instructions for filling them out, and to make numerous significant alterations to its computer programs.

Section 1606(a)(1)(B) states that the Executive Director may "establish, modify, and enforce schedules" for the submittal of information by manufacturers. Pursuant to that authority, I am today establishing the following initial dates for manufacturer submittals under the amended regulations:

<i>Appliance Types Listed in Subsection: (please see pages 1 and 2 of this letter for the specific types)</i>	<i>Effective Date for Reporting Pursuant to the Amended Regulations</i>
1601(a), 1601(g), 1601(h), 1601(i), 1601(o), 1601(p), 1601(q), 1601(r)	December 2, 2002
1601(b), 1601(d), 1601(e)[EXCEPT Combination space-heating and water-heating appliances], 1601(s), 1601(t)	December 23, 2002
1601(j), 1601(k), 1601(l), 1601(m)	January 8, 2003
1601(c), 1601(f)[INCLUDING Combination space-heating and water-heating appliances]	February 1, 2003
1601(n)	No reporting requirements

6. Further Information

For the complete text of the new regulations, see the Commission's website: <www.energy.ca.gov>.

Appliance Program staff would be happy to answer any questions you might have regarding the Commission's Appliance Program. Please direct questions for the specific sections of the regulations to the staff shown below.

<i>Section</i>	<i>Primary Contact</i>	<i>Alternate Contact(s)</i>
Scope and Effective Dates (Section 1601)	Betty Chrisman	Michael Martin
Definitions (Section 1602)	Jim Holland	Betty Chrisman
Testing: All Appliances (including laboratory approval) (Section 1603)	Carolyn McCormack	Betty Chrisman Jim Holland
Test Methods (Section 1604)	Michael Martin	Jim Holland
Efficiency Standards (Sections 1605, 1605.1 and 1605.3)	Betty Chrisman	Jim Holland Carolyn McCormack
Filing by Manufacturers; Database (Section 1606)	Betty Chrisman	Carolyn McCormack Jim Holland
Marking Requirements (Section 1607)	Michael Martin	Jim Holland
Compliance, Enforcement, etc. (Section 1608)	Michael Martin	Betty Chrisman Jim Holland

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Contact information for each of the individuals shown above is:

Betty Chrisman (916) 654-4080

Jim Holland (916) 654-4091

Michael Martin (916) 654-4039

Carolyn McCormack (916) 653-8232

Additionally, e-mail questions should be addressed to [<appliances@energy.state.ca.us>](mailto:appliances@energy.state.ca.us).

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Larson", with a stylized flourish extending from the end.

STEVE LARSON

Executive Director